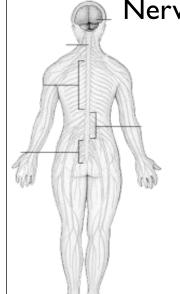
Lab 8

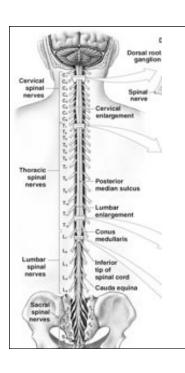
Nervous System Ex 21, 22

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Nervous System

- Central Nervous System (CNS)
 - brain and spinal cord
 - integration
- Peripheral Nervous System (PNS)
 - all nervous tissue outside the CNS
 - nerves
 - sensory receptors

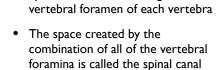


Spinal Cord

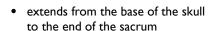
- Extension of the brain stem
- cervical, thoracic, lumbar and sacral
- 31 pairs of spinal nerves exit off of the cord
 - cervical, thoracic, lumbar, sacral and coccygeal segments
- Serves as a sensory and motor connection between the brain and spinal cord
 - some integration (reflexes)

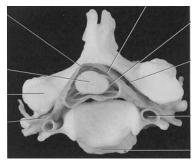
3

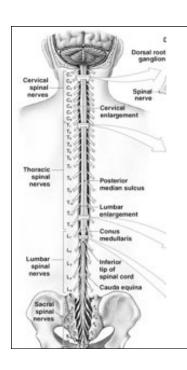
Spinal Canal



• Spinal cord travels through the







End of Spinal Cord

- Conus Medullaris
 - spinal cord ends here
 - at about L2
 - spinal cord does not extend through the whole spinal canal
- Cauda Equina
 - the spinal nerves that extend past the conus medullaris

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